

WHAT IS CLAIMED IS:

1. A thin type speaker comprising:
 - a casing having a top-open receiving chamber;
 - an electromagnet set mounted in said top-open receiving chamber, said
- 5 electromagnet set having a yoke, a magnet, a pole piece, and a voice coil; and
 - a vibration diaphragm peripherally connected to a periphery of said top-open receiving chamber of said casing,
 - wherein said vibration diaphragm has a damper at the center thereof, said damper having a corrugated cross section and a center part fixedly connected to said
- 10 electromagnet set; said voice coil of said electromagnet set is provided at one side of said vibration diaphragm facing said top-open receiving chamber and said voice coil is connected to a periphery of said damper.
2. The thin type speaker as claimed in claim 1, further comprising a cap covered over a top side of said vibration diaphragm and peripherally bonded to said casing, said cap having a plurality of sound holes.
- 15 3. The thin type speaker as claimed in claim 1, wherein the center part of said damper is fixedly connected to said pole piece of said electromagnet set.
- 20 4. The thin type speaker as claimed in claim 1, wherein said electromagnet set further comprises a core member disposed inside said voice coil and the center part of said damper is fixedly connected to said core member of said electromagnet set.
- 25 5. The thin type speaker as claimed in claim 1, wherein said damper is

integrally formed with said vibration diaphragm.

6. The thin type speaker as claimed in claim 1, wherein said damper and said vibration diaphragm are respectively made from different materials; said vibration diaphragm has an annular shape; said damper has an outer peripheral edge connected to an inner peripheral edge of said vibration diaphragm.

7. A thin type speaker comprising:
a casing having a top-open receiving chamber;
10 a cap disposed at a top side of said casing and having a plurality of sound holes;

an electromagnet set mounted inside said top-open receiving chamber, said electromagnet set having a yoke, a magnet, a pole piece, and a voice coil; and
15 a vibration diaphragm peripherally connected to a periphery of said top-open receiving chamber;

wherein said vibration diaphragm has a damper at the center thereof, said damper having a corrugated cross section and a center part fixedly connected to an inner side of said cap; the voice coil of said electromagnet set is disposed at one side of said vibration diaphragm facing said top-open receiving chamber and the voice coil is
20 connected to a periphery of said damper;

8. The thin type speaker as claimed in claim 7, wherein said damper is integrally formed with said vibration diaphragm.

25 9. The thin type speaker as claimed in claim 7, wherein said damper and said

vibration diaphragm are respectively made from different materials; said vibration diaphragm has an annular shape; said damper has an outer peripheral edge connected to an inner peripheral edge of said vibration diaphragm.